

## SAFETY DATA SHEET

Version 4.8  
Revision Date 04/05/2014  
Print Date 04/18/2014

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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**

Product name : GenElute™ Five-Minute Plasmid Miniprep Kit

Product Number : PFM50

Brand : Sigma

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA

Telephone : +1 800-325-5832

Fax : +1 800-325-5052

**1.4 Emergency telephone number**

Emergency Phone # : (314) 776-6555

This is a summary MSDS for a kit, for the full MSDS for each of the components listed in section 16 please visit our website.

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 2), H225  
Acute toxicity, Oral (Category 4), H302  
Skin corrosion (Category 1C), H314  
Serious eye damage (Category 1), H318  
Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336  
Acute aquatic toxicity (Category 3), H402  
Chronic aquatic toxicity (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word

Danger

Hazard statement(s)

H225 : Highly flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H314 : Causes severe skin burns and eye damage.  
H336 : May cause drowsiness or dizziness.

H412	Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P321	Specific treatment (see supplemental first aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Contact with acids liberates very toxic gas.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to component MSDS

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## 4. FIRST AID MEASURES

Refer to component MSDS

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## 5. FIREFIGHTING MEASURES

Refer to component MSDS

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## 6. ACCIDENTAL RELEASE MEASURES

Refer to component MSDS

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Never allow product to get in contact with water during storage. Do not store near acids.

Handle and store under inert gas. Light sensitive.

## 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component MSDS

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component MSDS

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## 10. STABILITY AND REACTIVITY

Refer to component MSDS

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## 11. TOXICOLOGICAL INFORMATION

Refer to component MSDS

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## 12. ECOLOGICAL INFORMATION

Refer to component MSDS

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## 13. DISPOSAL CONSIDERATIONS

Refer to component MSDS

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## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kits  
Marine pollutant: No  
Poison Inhalation Hazard: No

### IMDG

UN number: 3316      Class: 9      Packing group: II      EMS-No: F-A, S-P  
Proper shipping name: CHEMICAL KIT  
Marine pollutant: No

### IATA

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kit

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## 15. REGULATORY INFORMATION

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### SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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## 16. OTHER INFORMATION

### Kit Components:

Binding Solution F      SIGMA      B0310      Flam. Liq. 2; Acute Tox. 4; Skin Corr.

Column Preparation Solution	SIGMA	C2112	1C; Eye Dam. 1; STOT SE 3; Aquatic Acute 3; Aquatic Chronic 3; H225, H302, H314, H336, H412 Skin Irrit. 2; Eye Irrit. 2A; H315, H319
Elution Buffer	SIGMA	E7777	
Lysis reagent F	SIGMA	L4167	
Lysis Reconstitution Solution F	SIGMA	L4292	Aquatic Acute 3; Aquatic Chronic 3; H412
Wash Solution Concentrate F	SIGMA	W3514	

**Further information**

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**Preparation Information**

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Product Safety – Americas Region  
1-800-521-8956

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